Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/16/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124163	-1	1.31	124047	1.24
Blue	F	SSC	125000	123229	-2	2.90	123433	2.67
Blue	E	FITC	13131	12705	-4	2.30	292	15.91
Blue	D	PE	24112	23782	-2	1.67	545	10.48
Blue	B	PerCP-Cy5-5	31295	30489	-3	3.09	1014	14.20
Blue	A	PE-Cy7	19939	19594	-2	5.16	523	29.17
Red	C	APC	42122	41278	-3	3.10	1730	11.40
Red	A	APC-Cy7	22340	21710	-3	3.39	812	11.58
Violet	B	V450	7410	7096	-5	4.09	436	12.16
Violet	A	V500	28118	26542	-6	3.72	664	9.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22974	0.95	565	-4	N/A	N/A	Pass
Blue	F	SSC	57510	1.17	515	3	N/A	N/A	Pass
Blue	E	FITC	52	56.10	483	-4	0.0389	96	Pass
Blue	D	PE	115	36.61	486	-2	0.4819	372	Pass
Blue	B	PerCP-Cy5-5	188	34.82	580	-6	0.0208	57	Pass
Blue	A	PE-Cy7	104	67.02	622	-6	0.0217	0	Pass
Red	C	APC	401	23.43	578	2	0.0277	131	Pass
Red	A	APC-Cy7	181	27.86	552	1	0.0066	1354	Pass
Violet	B	V450	61	59.78	461	8	0.0671	2233	Pass
Violet	A	V500	95	32.43	471	6	0.0250	495	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.81	-31.58	0.99
Blue	20.36	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.59	13.60 - 20.40	N/A	N/A	29.91	30.14	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12085

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments